

# Immunization Projects Using Billing Data to Populate Immunization Registries

Question 1 of 5		
Do you import billing data to populate or update your registry?		
Projects	Answer	Frequency
AL	Yes	Weekly
AR	Yes	Medicaid claims data only
AZ	Yes	At least once a month
CA	Yes	Real time interface (previously)
CA-San Joaquin	Yes	
CT	No	
GA	No	
HI	No	
IL	No	
IN	No	
KS	No	
MA	Yes	One time only
ME	Yes	Demographic data one time only
MI	Yes	Daily
MN	Yes	Data is imported and updated from provider billing data at least twice monthly. A few submit billing data once a month. One of the largest submits data weekly.
MT	No	
NC	No	
NJ	No	
NYC	Yes	Every two weeks, mandated by health code
OR	Yes	Frequency varies among plans, from weekly to monthly.
PA	No	
Philadelphia	Yes	Once or twice a month, providers often need to be reminded.
RI	Yes	Irregularly
TN	Yes	Weekly
TX	Yes	Weekly from WIC and Integrated Client Encounter System, Medicaid sporadically
UT	Yes	Daily
WA	Yes	Weekly, monthly, quarterly depending on the provider
Answer	Number	Percent
Yes	17	62.96%
No	10	37.04%
Source: CDC's Immunization Registry Support Team's Question of the Month		

# **Immunization Projects Using Billing Data to Populate Immunization Registries**

<b>Question 2 of 5</b>		
<b>Do you have a method to evaluate the accuracy of these data?</b>		
<b>Projects</b>	<b>Answer</b>	<b>Accuracy Validation</b>
AL	Yes	Cross check imported data with data entered by private providers, antigen deduplication also used.
AR	Yes	Medicaid billing has real time validation criteria, other data entered has record matching only
AZ	Yes	Billing data from 12 billing software systems, accuracy is checked from two systems as well as vaccine type
CA	No	
CA-San Joaquin	Yes	Sample QA audit before records are imported, automatic date checks.
CT	No	
GA	No	
HI	No	
IL	No	
IN	No	
KS	No	
MA	Yes	Data logic checks, individual shots evaluated for validity
ME	No	
MI	Yes	Billing data is sent to a test server prior to loading for validation and error checking.
MN	Yes	Audits for all initial files for data accuracy and completeness, random sample of file compared to medical record
MT	No	
NC	No	
NJ	No	
NYC	Yes	Not routine
OR	Yes	Data goes through deduplication process
PA	No	
Philadelphia	Yes	Data goes through several validation procedures before loading to registry

# **Immunization Projects Using Billing Data to Populate Immunization Registries**

RI	Yes	Data goes through several validation procedures before loading to registry, ad hoc comparisons to medical record
TN	Yes	Deduplication routine
TX	Yes	Error process used at import
UT	Yes	Daily error routine
WA	Yes	Error process used at import, ad hoc medical record comparison
<b>Answer</b>	<b>Number</b>	<b>Percent</b>
Yes	15	55.56%
No	12	44.44%
Source: CDC's Immunization Registry Support Team's Question of the Month		

# Immunization Projects Using Billing Data to Populate Immunization Registries

Question 3 of 5		
Do you have a method to evaluate the completeness of these data?		
Projects	Answer	Completeness Validation
AZ	Yes	Same edit check used to test for accuracy
AL	No	
AR	No	
CA	No	
CA-San Joaquin	Yes	Matching algorithm
CT	No	
GA	No	
HI	No	
IL	No	
IN	No	
KS	No	
MA	Yes	Same as question 2
ME	No	
MI	No	Planning to develop a comparison data set for medical record review
MN	Yes	Data submitted must be 80% complete, errors are sent back to clinic
MT	No	
NC	No	
NJ	No	
NYC	Yes	Edit checking to evaluate global, systematic omissions
OR	No	
PA	No	
Philadelphia	Yes	Comparison of number of records, doses and imm record comparison, ad hoc medical record review
RI	Yes	Monthly reports sent to provider for completion when data is missing
TN	Yes	Same as question 2
TX	Yes	Same as question 2
UT	Yes	Same as question 2
WA	No	Ad hoc chart review
Answer	Number	Percent
Yes	10	37.04%
No	17	62.96%
Source: CDC's Immunization Registry Support Team's Question of the Month		

# **Immunization Projects Using Billing Data to Populate Immunization Registries**

Question 4 of 5		
What is # of days from vaccine administration to registry receipt?		
Projects	# of Days	Comments
AL	14	
AR		
AZ		
CA		
CA-San Joaquin	35	
CT		
GA		
HI		
IL		
IN		
KS		
MA		
ME		
MI		
MN		Usually twice a month
MT		
NC		
NJ		
NYC	14	
OR	28	
PA		
Philadelphia	42	
RI	30	
TN		
TX	14	
UT	8	
WA	35	
	Total # of Days	Average # of Days
	220	24.4
Source: CDC's Immunization Registry Support Team's Question of the Month		

# Immunization Projects Using Billing Data to Populate Immunization Registries

Question 5 of 5		
Do you bill for vaccine administration through your registry?		
Projects	Answer	Comments
AL	No	
AR		Billing through the immunization registry is completed for health deptment clients only by downloading an extract file into our Management System
AZ	No	
CA	No	
CA-San Joaquin	No	
CT	No	
GA	No	
HI	No	
IL	No	
IN	No	
KS	No	
MA	No	
ME	No	
MI	No	
MN	No	
MT	No	
NC	No	
NJ	No	
NYC	No	
OR	No	
PA	No	
Philadelphia	No	
RI	No	
TN	No	
TX	No	
UT	No	
WA	No	
Answer	Number	Percent
Yes	0	0.00%
No	26	100.00%
Source: CDC's Immunization Registry Support Team's Question of the Month		